

**RRB SET 7**

1. Arjuna awards related to which field?
  - a. Sports
  - b. Poverty
  - c. Literature
  - d. Economics
  
2. Which Indian author has chronicled the life in the Kumaon hills in the book “things to leave behind” ?
  - a. Shashi Tharoor
  - b. Namita Gokhle
  - c. Anosh Irani
  - d. Vikram Seth
  
3. Famous Indian actress who stars in ‘Quantico’ TV Series on American Broadcasting Cooperation?
  - a. Priyanka Chopra
  - b. Deepika Padukone
  - c. Sonakshi Sinha
  - d. Ileana Dacruz
  
4. The First Partition of Bengal took place in the year \_\_\_\_\_
  - a. 1906
  - b. 1904
  - c. 1909
  - d. 1905
  
5. Who led Bardoli Satya Graha movement?
  - a. Bal Gangadhar Tilak
  - b. Sardar Vallabhai Patel
  - c. Dr. Rajendra Prasad
  - d. N.O.T.

6. Governor of state is appointed by
  - a. President
  - b. Chief minister of the state
  - c. Prime minister
  - d. Chief justice
7. Which state has no panchayati Raj Institution?
  - a. Assam
  - b. Meghalaya
  - c. Nagaland
  - d. Tamil Nadu
8. The Energy and research institute (TERI) will set up an incubation centre in which state
  - a. Punjab
  - b. Uttar Pradesh
  - c. Tamil Nadu
  - d. Odisha
9. Who has bagged the first prize of DD Mahila Kisan Award for 2018-19?
  - a. Anushka Singh
  - b. Swati Singhade
  - c. Mainakshi Apte
  - d. Nisha Sarwate
10. Who will head the National Mission on Transformative Mobility and battery storage?
  - a. Amitabh kant
  - b. Ravi kumar
  - c. S S Mudra
  - d. Raja Kumar
11. Which IIT has linked an MoU with ISRO for Space technology cell?
  - a. IIT Madras

b . IIT Roorkee

c. IIT Bombay

d. IIT Delhi

12. The ECI has appointed which transgender social activist as one of the 12 election ambassadors from Maharashtra?

a. Sanjana Singh

b. Vandana Savant

c. Gauri Savant

d. Krishna Deshpande

13. Which IT company has developed the blockchain based global payment network named WorldWire?

a. Wipro

b. Intel

c. IBM

d. Microsoft

14. Which railway station is the first station to get free Wi Fi service?

a. Panvel Station

b. Mumbai Central

c. Kolakata Station

d. Reay Road Station

15. Headquarter of Securities and Exchange Board of India (SEBI) is in

a. New Delhi

b. Mumbai

c. Bangalore

d. Chennai

16. What is colour of light related to:

a. amplitude

b. Quality

c. frequency

d. velocity

17. Sensitivity of the human eye is maximum in the

a. Violet region

b. Blue region

c. Red region

d. green region

18. A dynamo is a device which

a. creates electrical energy

b. creates mechanical energy

c. converts mechanical energy into electrical energy

d. converts electrical energy into mechanical energy

19. A transformer works on the principle of

a. inverter

b. generator

c. self induction

d. mutual induction

20. Lakes freeze in cold countries in winter leaving the water underneath at

a.  $0^{\circ}\text{C}$

b.  $4^{\circ}\text{C}$

c.  $4^{\circ}\text{F}$

d.  $0^{\circ}\text{F}$

21. Which force acts on the body moving in Circular path?

a. Centrifugal force

b. Centripital force

c. Frictional force

d. Moment of force

22. Instruments used to measure potential difference between two points is:

- a. Voltmeter
- b. Ammeter
- c. Pyrometer
- d. Fluxmeter

23. Which of the following is vector quantity?

- a. Force
- b. Velocity
- c. Displacement
- d. All of these

24. Barometer is used to measure

- a. Low pressure
- b. High pressure
- c. pressure difference
- d. Atmospheric pressure

25. Fertilizer having high nitrogen content is:

- a. Calcium citrate
- b. Ammonium nitrate
- c. Urea
- d. Ammonium sulphate

26. Which organ of the body never rests?

- a. Liver
- b. Eyes
- c. Pancreas
- d. Heart

27. Normal Blood pressure of man is:

- a. 85/120mm of Hg

b. 80/120 mm of Hg

c. 120/80 mm of Hg

d. 90/80 mm of Hg

28. How many muscles are found in our body?

a. 556

b. 665

c. 656

d. 365

29. The no. of vertebrae in a human being?

a. 26

b. 33

c. 36

d. 42

30. Which release sex hormone?

a. Thyroid gland

b. sebaceous gland

c. Adrenal gland

d. Thyroid gland

31. The sigmoid colon is part of

a. Small intestine

b. Large intestine

c. Pancreas

d. Stomach

32. Osteocyte found in

a. Blood

b. Muscles

c. Intestines

d. Bones

33. Which is the anti-coagulant substance in the blood?

a. Heparin

b. Thrombin

c. Globin

d. Fibrinogen

34. A healthy man has on an average \_\_\_\_\_ millions RBCs in 1 mm<sup>3</sup> of blood.

a. 4 to 4.5

b. 5.5 to 5

c. 6 to 6.5

d. 5 to 5.5

35. Haematopoiesis takes place in \_\_\_\_\_.

a. Liver

b. Pancreas

c. Lungs

d. Bone marrow

36. Which element has the lowest melting point?

a. Gold

b. Silver

c. Oxygen

d. Manganese

37. Which of the following is a good conductor of electricity?

a. Diamond

b. Peat

c. Graphite

d. Charcoal

38. White phosphorous is placed under:

- a. Hot water
- b. Aluminium
- c. Cold water
- d. Kerosene

39. Nitrogen was discovered by:

- a. Hooke
- b. Faraday
- c. Rutherford
- d. Heisenberg

40. Which coal contains recognisable traces of the original plant material?

- a. Peat
- b. Lignite
- c. Bituminous
- d. Anthracite

41. Milk is a colloidal system in which:

- a. Fat is dispersed in water
- b. Fat and water are dispersed in each other
- c. Water is dispersed in fat
- d. Fat is dissolved

42. The non-metal found in liquid state is:

- a. Bromine
- b. Chlorine
- c. Fluorine
- d. Nitrogen

43. Radioactive disintegration of Uranium ultimately results in formation of:

- a. Thorium
- b. Lead

c. Polonium

d. Radium

44. In nuclear reactors, Graphite is used as :

a. moderator

b. fuel

c. lubricant

d. insulator

45. Which of the following has greatest mass:

a. Electron

b. Proton

c. Neutron

d. Hydrogen nucleus

46. Find the total no. of factors of 360?

a. 12

b. 16

c. 18

d. 24

47. Find the unit digit of  $17^{17} * 27^{27}$ ?

a. 1

b. 2

c. 3

d. 6

48. Find the remainder of  $\frac{5^{100}}{7}$

a. 1

b. 2

c. 3

d. 4

49. A quantity 200 is increased by 75% then what will be the new quantity?

- a. 150
- b. 250
- c. 350
- d. 400

50. The price of a toy is increased by 20% and then it was sold 20% discount. Find out the net change in the price of the toy?

- a. 4% increase
- b. 4% decrease
- c. 6% increase
- d. 6% decrease

51. Komal sold two articles at same selling price one at 20% profit and another at 20% loss. Find out his net profit or loss %?

- a. 4% loss
- b. 4% profit
- c. 5% loss
- d. 6% loss

52. A dishonest dealer professes to sell at CP but uses a 900 gm weight instead of 1kg. Find the % profit to the dealer?

- a. 10
- b. 12
- c. 11.11
- d. 12.25

53. If a certain sum of money becomes double at simple interest in 12 years then what will be the rate of interest per annum?

- a. 5%
- b. 8.33%
- c. 9.25%

d. 7.66%

54. Find the difference between simple and compound interest at 10% per annum for 1 years on a principle of Rs. 2000?

a. 5

b. 4.5

c. 105

d. 0

55. If  $a:b = 3:5$   $a:c = 6:7$  then find  $a:b:c$ ?

a. 1:2:3

b. 5:6:7

c. 5:5:7

d. 6:10:7

56. The income of A and B are in the ratio of 2:3 and their expenditure is 3:5. If each saved Rs. 1000 then the income of A is:

a. 2000

b. 4000

c. 400

d. 6000

57. In a mixture of 40 litres, the ratio of milk and water is 4:1. How much water must be added to this mixture so that the ratio becomes 2:3?

a. 20 litres

b. 25 litres

c. 35 litres

d. 40 litres

58. The ratio between two no. is 3:4 and their LCM is 180 then the first no. is:

a. 15

b. 30

c. 45

d. 60

59. The average of 20 results is 30 and that of 30 more is 20. For all results taken together, the average is:

a. 22.8

b. 24

c. 25

d. 50

60. A man whose bowling average is 12.4 takes 5 wickets for 26 runs and thereby decreases his average by 0.4. The no. of wickets taken by him before his last match is:

a. 70

b. 80

c. 85

d. 90

61. In a hostel there was food for 100 persons for 30 days. After 10 days 100 more persons joined, after how many days the food will be lost?

a. 20

b. 15

c. 10

d. 12

62. A can do a piece of work in 10 days and B can do same work in 20 days. With the help of C they finish the work in 5 days. How long will it take for C alone to finish the same work?

a. 10 days

b. 20 days

c. 25 days

d. 15 days

63. A person covers a distance downstream in 3 hours. While returns back in 9 hrs. If the speed of river is 10 m/s then speed of man is \_\_\_\_\_ m/s.

a. 20

b. 15

c. 10

d. 12

64. A train travels 650 km in 5h and another 940 in 10 hr. Average speed of the train is \_\_\_\_\_ kmph.

a. 126

b. 125

c. 159

d. 106

65.  $2^{x+4} - 2^{x+2} = 3$  then  $x =$  \_\_\_\_\_.

a. 20

b. 1

c. 2

d. -2

66. If + means \*, - means + and \* means  $\div$  then find  $10+9-30*6$ .

a. 80

b. 72

c. 95

d. 181

67. Find the missing no. : 19,26,40,61,?,124

a. 98

b. 89

c. 95

d. 55

68 .Decide which of the following conclusions logically follows the given statements:

**Statements:**

I. All honest are rich.

II. Some rich are tall.

## Conclusions

- i. No honest is tall.
- ii. Some honest are tall.

- a. only i follows.
- b. only ii follows.
- c. Either i or ii follows
- d. Both follow

69. If + means \*, - means +, ÷ means – and \* means ÷ then find

$$4 + 212 \div 148 - 140 * 35$$

- a. 495
- b. 696
- c. 704
- d. 700

70. In the following questions select the word which cannot be formed using the letters of RUDIMENTARY.

- a. RUDE
- b. MARRY
- c. ROAD
- d. YARD

71. Select odd one:

- a. Wheat
- b. Rice
- c. Maize
- d. Potato

72. Select odd one:

- a. Thermometer
- b. Barometer

c. Degree

d. Odometer

73. 37:50::?:170

a. 147

b. 155

c. 159

d. 145

74. Calf: Cow:: Puppy: ?

a. Cat

b. Goat

c. Bitch

d. Camel

75. Complete the series with the given alternatives:

23J64, 17G32, 13D16, ?

a. 11A4

b. 11A8

c. 12B4

d. 10B2

76. Calender of 2020 will be same as

a. 2026

b. 2032

c. 2048

d. 2024

77. Find the missing no.

5	21	2
7	33	4
9	45	?

a. 2

b. 27

c. 13

d. 6

78.  $9:728::10:?$

a. 999

b. 996

c. 729

d. 80

79. Decide which of the following conclusions logically follows the given statements:

**Statements:**

i. All cups are tables.

ii. Some cups are chairs.

**Conclusions:**

i. Some cups are tables.

ii. Some tables are chairs.

a. only i follows

b. only ii follows

c. both follows

d. none follows.

80. One tap can fill a cistern in 2h and another can empty the cistern in 3h. How long will they take to fill the cistern if both opened?

a. 4h

b. 6h

c. 7h

d. 8h

81. Manish travels a certain distance by car at 12kmph and walks back at 3kmph. The whole journey took 5 h then what is the distance he covered by car?

a. 8km

- b. 12km
- c. 15km
- d. 18km

82. A train 110m in length passes a man walking at 6kmph against it in 6 sec. The speed of the train is \_\_\_\_\_ kmph.

- a. 50
- b. 55
- c. 60
- d. 62

83. If sum of first n natural no. is  $1/5^{\text{th}}$  of the sum of their squares, then n is:

- a. 7
- b. 8
- c. 9
- d. 10

84. The sum of all the odd three digits integer which are divisible by 9 is:

- a. 35500
- b. 55500
- c. 55965
- d. 55350

85. How many natural no. solution are possible for the given equation:

$$x+y+z+w = 20$$

- a.  ${}^{19}C_3$
- b.  ${}^{20}C_4$
- c.  ${}^{20}C_5$
- d.  ${}^{19}C_4$

86. In throwing a fair dice the probability of getting 2 is:

- a.  $1/2$

b.  $1/6$

c.  $1/5$

d.  $2/7$

87. A total of 324 notes comprising of Rs. 20 and Rs.50 denominations make a sum of Rs.12450. The no. of Rs.20 notes are:

a. 125

b. 250

c. 240

d. 150

88. The radius of a circle is 6cm. The distance of a point lying outside the circle from the centre is 10cm. The length of the tangent drawn from the outside point to the circle is:

a. 2cm

b. 4cm

c. 8cm

d. 16cm

89. If  $\sec x + \cos x = 3$ , then  $\tan^2 x - \sin^2 x$  is:

a. 2

b. 4

c. 5

d. 7

90.  $\tan\theta + \cot\theta = 2$ , then the value of  $\tan^2\theta + \cot^2\theta$  is

a. -2

b. 2

c. 0

d. 1

91.  $\cos A = 1/3$  then  $(9\tan^2 A + 9)$  is \_\_\_\_\_.

a. 81

b. 18

- c. 1/9
- d. 1/81

92. The simplified value of  $\sqrt{\frac{14.4*0.09}{1.2*0.12}}$  is

- a. 2
- b. 3
- c. 1
- d. 0

93. Rohan travels at 4mph in still water. If river flows at 2mph, it takes 4h to row to a place and comeback. What is the total distance travelled by the Rohan?

- a. 6m
- b. 12m
- c. 18m
- d. 24m

94. Find the remainder when  $55^{163478}$  is divided by 9?

- a. 1
- b. 2
- c. 5
- d. 9

95. Table shows sales of a company over 5 yrs. What is the average production of cosmetics over the given yrs?

years	Production (no. of pieces)(in lakhs)
2012	75
2013	80
2014	96
2015	85
2016	90

- a. 86
- b. 85

c. 85.2

d. 81.25

96. Select odd one out:

a. Gurudwara

b. Church

c. Temple

d. Monastery

97. Select odd one out:

a. 169

b. 168

c. 185

d. 295

98. Select odd one from the following:

a. 18:81

b. 52:25

c. 55:65

d. 94:49

99. In a certain language TWENTY is written as 863985 and ELEVEN is written as 323039. How TWELVE will be written?

a. 863203

b. 962603

c. 852603

d. 863214

100. If GREEN is called WHITE, WHITE is called YELLOW, YELLOW is called BLUE, BLUE is called PINK and PINK is called BLACK then what is the colour of milk?

a. white

b. blue

c. yellow

d. green